Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (previously presented) A method comprising:

moving data from a network layer into a physical memory page, wherein the network layer receives and transmits the data as data packets that are odd-sized, arrive asynchronously, and contain metadata embedded with real data and the physical memory page comprises a plurality of physical memory clusters;

creating a logical page providing an aligned view of the data;

establishing a relationship between the logical page and the physical memory page such that the logical page is associated with said the plurality of physical memory clusters; and

forwarding a list of the logical pages to a storage resource such that the data referenced by the logical pages are stored subsequently into a storage resource.

2. (original) The method of claim 1 further comprising:
dividing the physical memory pages into physical memory clusters such that the data received by the network layer is stored into the physical memory clusters.

3. (previously presented) The method of claim 1 further comprising:
creating a plurality of logical pages based on the offset and length of the data associated with a network write operation.

4. (original) The method of claim 1 further comprising:
creating a read only logical page comprising zeros.

5. (original) The method of claim 1 further comprising:

merging an existing physical memory cluster with a new physical cluster based on the offset and length of the existing physical memory cluster and based on the offset and length of the new physical memory cluster.

6. (currently amended) A computer system comprising:

a memory including at least one physical memory page and at least one logical page;

a network layer for receiving non-aligned data, wherein the network layer receives and transmits the data as data packets that are odd-sized, arrive asynchronously, and contain metadata embedded with real data;

a storage resource providing aligned data; and

a processor configured to:

move data from a network layer into a physical memory page, [[said]] the physical memory page comprising a plurality of physical memory clusters,

create a logical page providing an aligned view of the data,

establish a relationship between the logical page and the physical memory page such that the logical page is associated with [[said]] the plurality of physical memory clusters, and

forward a list of the logical pages to a storage resource such that the data referenced by the logical pages are stored subsequently into a storage resource.

7. (original) The system of claim 6 wherein the processor is further configured to divide the physical memory pages into a memory cluster such that the data received by the network layer is stored into the memory cluster.

8. (original) The system of claim 6 wherein the processor is further configured to create a logical page layer based on the offset and length of the data associated with a network layer write operation.

9. (original) The system of claim 6 wherein the processor is configured to create a read only logical page of zeros.

10. (original) The system of claim 6 wherein the processor is configured to create a read only logical page of uninitialized data.

11. (original) The system of claim 6 wherein the processor is further configured to merge an existing physical memory cluster with a new physical memory cluster based on the offset and length of the existing physical memory cluster and based on the offset and length of the new physical memory cluster.

12 and 13. (cancelled)

14. (previously presented) An article comprising a computer-readable medium that stores computer executable instructions for causing a computer to:

move data from a network layer into a physical memory page, wherein the network layer receives and transmits the data as data packets that: are odd-sized, arrive asynchronously, and contain metadata embedded with real data and the physical memory page comprises a plurality of physical memory clusters;

create a logical page providing an aligned view of the data;

establish a relationship between the logical page and the physical memory page such that the logical page is associated with said the plurality of physical memory clusters; and

forward a list of the logical pages to a storage resource such that the data referenced by the logical pages are stored subsequently into a storage resource.

15. (original) The article of claim 14 further including instructions to divide the physical memory pages into physical memory clusters such that the data received by the network layer is stored into the physical memory clusters.

16. (original) The article of claim 14 further including instructions to create a logical page based on the offset and length of the data associated with a network write operation.

17. (original) The article of claim 14 further including instructions to create a read only logical page of zeros.

18. (original) The article of claim 14 further including instructions to merge an existing physical memory cluster with a new physical cluster based on the offset and length of the existing physical memory cluster and based on the offset and length of the new physical memory cluster.

19. (previously presented) The method of claim 1 wherein the network layer uses a transport control protocol / internet protocol (TCP/IP) to transmit and receive the data over a computer network.

20. (previously presented) The method of claim 19 wherein the computer network is an Ethernet.

21 and 22. (cancelled)

23. (new) The method of claim 1, wherein the data packets arrive in a sequence that is different from an original sequence in which they were transmitted.

24. (new) The method of claim 6, wherein the data packets arrive in a sequence that is different from an original sequence in which they were transmitted.

25. (new) The method of claim 14, wherein the data packets arrive in a sequence that is different from an original sequence in which they were transmitted.